WATER CONSERVING AND CLEANING APPARATUS

Abstract of the Disclosure

The present water conserving and cleaning apparatus' major components include an essentially straight handle of several feet in length, with a hand grip in the vicinity of a distal end and a water flow control lever operably secured to a straight fixture removably secured to the hand grip. The handle is secured on the proximate end to a horizontal member in an inverted "T" configuration. A specific angle at which the handle is secured to the horizontal member is preferred for maximum comfort value for adults. The horizontal member includes a winged jet manifold fixably secured to the proximate end of the handle. The manifold includes a flow director which directs an air and water jet stream onto a surface to be cleaned. A rear wing, integral to the jet manifold, includes a two level cantilevered porch with specifically designed angles and heights to provide optimum air flow and a Venturi effect under the cleaning apparatus. A minimum of water is required when combined with an air stream to provide maximum pressure at a specific target angle to the surface to be cleaned. In addition, a cylindrical horizontal length of pipe is integrally manufactured into the manifold. Also, a plurality of spray nozzles are secured underneath the horizontal length of the cylinder at generally equally spaced intervals. Finally, on a rear side of the manifold is movably secured a plurality of wheels. Several embodiments

demonstrate design flexibility and adaptability to a variety of surface cleaning uses.

GLOSSARY

1 waterbroom (prior art)

2 pipe member (prior art)

3 handle (prior art)

4 nozzle (prior art)

5 spray pattern (prior art)

10 water conserving and cleaning apparatus

12 straight handle

14 hand grip

15 straight fixture

16 distal end

18 lever

20 one end

22 water hose

24 proximate end

26 jet manifold

28 center

30 cylinder

32 forward wing

34 rear wing

36 plurality of spray nozzles

36a slot

38 plurality of wheels

40 left end

42 right end

44 air flow

46 cantilevered porch

48 air and water jet stream

50 surface

52 water

54 ∂_1

56 upper porch

58 angle step

60 lower porch

62 ∂_2

64 ∂_3

66 ∂_4

68 distance "d"

L_1

L_2

70 forward edge

72 juncture

76 attachment mechanism

78 spray pattern

80 spray angle ∂_5

82 water filter

84 base

86 annular ring

88 cone